

What is claimed is:

1. A control unit (SG) for actuating passenger protection means using an electronic safety switch (SCON) which, as a function of a signal of an acceleration sensor system (S, PAS), releases output stages (FLIC) independently of a processor (μ C), the processor (μ C) actuating the output stages (FLIC) as a function of the signal, wherein the safety switch (SCON) analyzes an integrated acceleration signal as that signal.
2. The control unit as recited in Claim 1, wherein the acceleration sensor system (S, PAS) has an integrator for integrating the acceleration signal.
3. The control unit as recited in Claim 1 or 2, wherein a high pass filter (24, 33) is provided for filtering the integrated acceleration signal.
4. An acceleration sensor system having a housing, an integrator (23, 32) being provided in the housing for integrating an acceleration signal.
5. The acceleration sensor system as recited in Claim 4, wherein a high pass filter (24, 33) is provided for filtering the acceleration signal.